In the Claims:

Please AMEND the claims as follows:

1. (Original) A screen system for underground wells, the screen system comprising a screen

wherein the screen comprises a plurality of slots; and

a mechanism capable of varying the size of the said slots.

2. (Original) A screen system according to claim 1, wherein the screen system comprises a pair of screens comprising a slotted inner screen disposed within a slotted outer screen.

3. (Original) A screen system according to claim 2, further comprising at least one external screen shroud.

4. (Currently Amended) A screen system according to ~~either of claims~~ claim 2 ~~or 3~~, wherein the inner screen is rotatable relative to the outer screen.

5. (Currently Amended) A screen system according to ~~any of claims~~ claim 2 ~~to 4~~, wherein the inner screen comprises a substantially cylindrical member having a pair of ends wherein one end is rotatable relative to the other end by operation of the said mechanism.

6. (Currently Amended) A screen system according to ~~any preceding~~ claim 1, wherein the mechanism comprises a motorised actuator.

7. (Currently Amended) A screen system according to claim 2 ~~or to any of claims 3 to 6 when dependent upon claim 2~~, wherein at least one of the inner and outer screens comprises a plurality of longitudinally arranged members and at least one transversely arranged member which combine to provide the slots in the interstices therebetween.

8. (Original) A screen system according to claim 7, wherein rotation of one end of the said at least one screen causes an end of the longitudinally arranged members to rotate relative to the other end of the longitudinally arranged members such that the slot size is capable of being varied.

9. (Currently Amended) A screen system according to ~~any preceding~~ claim 3, wherein at least one screen or screen shroud is provided with electromechanical sensors.

10. (Currently Amended) A screen system according to claim 9 ~~when dependent upon claim 8~~, wherein the inner screen is rotated under the control of a controller which is further connected to the electromechanical sensors.

11. (Original) A screen system according to claim 10, wherein the controller employs a solids prediction model to calculate a control action.

12. (Currently Amended) A screen system according to ~~either of claims~~ claim 10 ~~or 11~~, wherein the controller further employs a plugging tendency model to calculate a control action.

13. (Currently Amended) A screen system according to claim 3 ~~or to any of claims 4 to 12 when dependent upon claim 3~~, wherein the external screen shroud is attachable to the outer screen.

14. (Original) A screen system according to claim 13, wherein the external screen shroud is perforated.

15. (Original) A method of fluid flow control and/or sand production control in a well, the method comprising the steps of placing a screen having a plurality of slots in the well and varying the size of the slots.

16. (Original) A method according to claim 15, wherein a mechanism is provided to vary the size of the said slots.

17. (Original) A method according to claim 16, wherein the mechanism is capable of rotating a first portion of the screen relative to a second portion of the screen to vary the size of the said slots.

18. (Currently Amended) A method according to ~~any of claims 15, to~~ claim 17 wherein a controller controls the actuation of the rotation mechanism.

19. (Original) A method according to claim 18, wherein the controller is provided with data inputs from one or more sensors provided downhole.

20. (Original) A method according to claim 19, wherein the sensors are mounted on one or more portions of the screen system.

21. (Currently Amended) A method according to ~~either of claims~~ claim 19 ~~or 20~~, wherein the sensors are electro-mechanical sensors.

22. (Currently Amended) A method according to ~~any of claims~~ claim 18 ~~to 21~~, wherein the controller employs a solids prediction model to calculate a control action.

23. (Original) A method according to claim 22, wherein the controller further employs a plugging tendency model to calculate a control action.